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DATE MAILED: 09/22/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/798,253	03/12/2004	Harold Wilson	C507 0012	5878
720 . 7590 09/22/2005			EXAMINER	
OYEN, WIG	GS, GREEN & MUT	RAYMOND, EDWARD		
480 - THE STATION 601 WEST CORDOVA STREET			ART UNIT	PAPER NUMBER
VANCOUVER, BC V6B 1G1			2857	
CANADA				

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/798,253	WILSON, HAROLD				
Office Action Summary	Examiner	Art Unit				
•	Edward Raymond	2857				
The MAILING DATE of this communication app	<u> </u>					
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATI 36(a). In no event, however, may a reply be will apply and will expire SIX (6) MONTHS for course the application to become ABANDO	ON. a timely filed from the mailing date of this communication. DNED (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on <u>23 July 2004</u> .						
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· · · · · · · · · · · · · · · · · · ·	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 1-24 is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
7)⊠ Claim(s) <u>1 and 17</u> is/are rejected. 7)⊠ Claim(s) <u>2-16 and 18-24</u> is/are objected to.	6)⊠ Claim(s) <u>1 and 17</u> is/are rejected. 7)⊠ Claim(s) 2-16 and 18-24 is/are objected to.					
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 12 March 2004 is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 20040723.	4) Interview Summ Paper No(s)/Ma 5) Notice of Inform 6) Other:					

Application/Control Number: 10/798,253

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Application Number 2001/0048306 to Mueller et al. in view of "Alignment and Matching", Thomas Funkhouser and Michael Kazhdan, Princeton University, August 1, 2000 (hereafter referred to as "Funkhouser et al".

Mueller et al. teach a method for magnetic imaging of an object (Claim 1: see Figure 1), the method comprising: monitoring a magnetic field of sources in the object at a plurality of magnetic detectors to obtain a corresponding plurality of sensor outputs (Claim 1: see paragraph 35); while monitoring the magnetic field of the sources, monitoring a position of the object (Claim 1: see paragraph 36); modeling the magnetic field of the sources in the object as a gradient of a scalar potential (Claim 1: see paragraph 38); and, compensating for changes in the position of the object by applying a transformation to the plurality of sensor outputs (Claim 1: see paragraph 36).

Mueller e al. teach a method wherein compensating for the position of the object comprises applying a rotation matrix to the plurality of sensor outputs (Claim 17: see paragraph 23).

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Mueller et al. does not teach the scalar potential comprising a sum of spherical harmonic functions each multiplied by a corresponding coefficient or the spherical harmonic translation transformation. Funkhouser et al. teach a spherical harmonic translation transformation technique (Claim 1: see page 9 and 17). It would have been obvious to the person having ordinary skill in the art at the time the invention was made to modify Mueller et al. to use a spherical harmonic translation transformation technique, as taught by Funkhouser, since this would allow for the compensation of movements of the head of a patient, as described in Mueller et al., paragraph 36).

Allowable Subject Matter

3. Claims 2-16 and 18-24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Contact Information

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edward Raymond whose telephone number is 571-272-2221. The examiner can normally be reached on Monday through alternating Friday between 8:00 AM and 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marc Hoff can be reached on 571-272-2216. The fax phone numbers for the organization where this application or proceeding is assigned are 571-273-2221 for regular communications and 571-272-1562 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-

1782.

September 19, 2005 Edward Raymond

Patent Examiner

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